


		NTSB ID: ANC00LA017		Aircraft Registration Number: N5187B	
		Occurrence Date: 12/06/1999		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place BETHEL	State AK	Zip Code 99599	Local Time 0958	Time Zone AST	
Airport Proximity: On Airport		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer Cessna		Model/Series 208B		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On December 6, 1999, about 0958 Alaska standard time, a wheel equipped Cessna 208B airplane, N5187B, sustained substantial damage after colliding with snow-covered terrain during takeoff from the Bethel Airport, Bethel, Alaska. The flight was being conducted under Title 14, CFR Part 135, as a scheduled commuter flight, operated by Arctic Circle Air, Inc., as Flight 30. The certificated airline transport pilot, and the sole pilot-rated passenger aboard, were not injured. Visual meteorological conditions prevailed, and company VFR flight following procedures were in effect for the flight to Marshall, Alaska.</p> <p>During a telephone conversation with the National Transportation Safety Board investigator-in-charge on December 6, the pilot reported that he arrived at the airport about 0800, and performed a preflight inspection of the accident airplane. He said that the airplane had been parked outside all night, and added that the wings, horizontal stabilizer, elevators, and windscreen had a "noticeable amount of frost on them." The pilot reported that he used a broom, while standing on a ladder, to remove an accumulation of frost, and light snow. He then returned to the hanger to wait for the load of cargo to arrive. He said that due to scheduling delays, the cargo did not arrive at the airport until about 0850, at which time the cargo was loaded, and the pilot prepared for departure. He said that before departure, he did not recheck the wings or flight control surfaces for any additional frost accumulation. The pilot reported that while departing runway 36, about 100 feet above the runway, he retracted 10 degrees of flaps. He added that as the airplane climbed to about 200 feet above the runway, he retracted the remaining 10 degrees of flaps, and the airplane descended while rolling to the left. The pilot stated that he had to apply full right aileron to keep the airplane upright. He said full power was already applied to the engine, but the airplane continued to descend. The airplane landed on the runway, about 200 feet from the runway threshold, and continued off the end of the runway, into snow-covered terrain.</p> <p>The airplane sustained substantial damage to the propeller, fuselage, and wings.</p>					
FACTUAL REPORT - AVIATION					

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: ANC00LA017			
		Occurrence Date: 12/06/1999			
		Occurrence Type: Accident			
Landing Facility/Approach Information					
Airport Name BETHEL	Airport ID: BET	Airport Elevation 123 Ft. MSL	Runway Used 36	Runway Length 6398	Runway Width 150
Runway Surface Type: Asphalt					
Runway Surface Condition: Snow--dry					
Type Instrument Approach: NONE					
VFR Approach/Landing: Forced Landing					
Aircraft Information					
Aircraft Manufacturer Cessna		Model/Series 208B		Serial Number 208B0270	
Airworthiness Certificate(s): Normal					
Landing Gear Type: Tricycle					
Homebuilt Aircraft? No	Number of Seats: 2	Certified Max Gross Wt.	8750 LBS	Number of Engines: 1	
Engine Type: Turbo Prop	Engine Manufacturer: P&W	Model/Series: PT6A-114A	Rated Power: 675 LBS		
- Aircraft Inspection Information					
Type of Last Inspection AAIP	Date of Last Inspection 11/22/1999	Time Since Last Inspection 42 Hours	Airframe Total Time 6105 Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? Yes	ELT Operated? No	ELT Aided in Locating Accident Site?			
Owner/Operator Information					
Registered Aircraft Owner ARCTIC AIR GROUP, INC.		Street Address P.O. BOX 60049			
		City FAIRBANKS	State AL	Zip Code 99706	
Operator of Aircraft Same as Reg'd Aircraft Owner		Street Address Same as Reg'd Aircraft Owner			
		City	State	Zip Code	
Operator Does Business As: ARCTIC CIRCLE AIR SERVICE, INC			Operator Designator Code: ACSA		
- Type of U.S. Certificate(s) Held:					
Air Carrier Operating Certificate(s): Commuter Air Carrier					
Operating Certificate:		Operator Certificate:			
Regulation Flight Conducted Under: Part 135: Air Taxi & Commuter					
Type of Flight Operation Conducted: Unknown					
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First Pilot Information																																																																																				
Name		City		State	Date of Birth	Age																																																																														
On File		On File		On File	On File	43																																																																														
Sex: M	Seat Occupied: Left	Principal Profession: Civilian Pilot		Certificate Number: On File																																																																																
Certificate(s): Airline Transport																																																																																				
Airplane Rating(s): Multi-engine Land; Single-engine Land																																																																																				
Rotorcraft/Glider/LTA: None																																																																																				
Instrument Rating(s): Airplane																																																																																				
Instructor Rating(s): None																																																																																				
Type Rating/Endorsement for Accident/Incident Aircraft?				Current Biennial Flight Review?																																																																																
Medical Cert.: Class 2		Medical Cert. Status: Valid Medical--no waivers/lim.		Date of Last Medical Exam: 04/26/1999																																																																																
<table border="1"> <tr> <th rowspan="2">- Flight Time Matrix</th> <th rowspan="2">All A/C</th> <th rowspan="2">This Make and Model</th> <th rowspan="2">Airplane Single Engine</th> <th rowspan="2">Airplane Multi-Engine</th> <th rowspan="2">Night</th> <th colspan="2">Instrument</th> <th rowspan="2">Rotorcraft</th> <th rowspan="2">Glider</th> <th rowspan="2">Lighter Than Air</th> </tr> <tr> <th>Actual</th> <th>Simulated</th> </tr> <tr> <td>Total Time</td> <td>4375</td> <td>750</td> <td>3450</td> <td>275</td> <td>200</td> <td>100</td> <td>125</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pilot In Command(PIC)</td> <td>4225</td> <td>740</td> <td>3300</td> <td>250</td> <td>200</td> <td>100</td> <td>125</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Instructor</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 90 Days</td> <td>288</td> <td>118</td> <td>262</td> <td>26</td> <td>12</td> <td>19</td> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 30 Days</td> <td>98</td> <td>50</td> <td>76</td> <td>21</td> <td>10</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 24 Hours</td> <td>3</td> <td>3</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Actual	Simulated	Total Time	4375	750	3450	275	200	100	125				Pilot In Command(PIC)	4225	740	3300	250	200	100	125				Instructor											Last 90 Days	288	118	262	26	12	19	1				Last 30 Days	98	50	76	21	10	8					Last 24 Hours	3	3	3							
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Seatbelt Used? Yes		Shoulder Harness Used? Yes		Toxicology Performed? No		Second Pilot? Yes																																																																														
Flight Plan/Itinerary																																																																																				
Type of Flight Plan Filed: Company VFR																																																																																				
Departure Point		State	Airport Identifier	Departure Time	Time Zone																																																																															
Same as Accident/Incident Location			BET	0958	AST																																																																															
Destination		State	Airport Identifier																																																																																	
MARSHALL		AK	MLL																																																																																	
Type of Clearance: None																																																																																				
Type of Airspace: Class D																																																																																				
Weather Information																																																																																				
Source of Briefing: Company; Flight Service Station																																																																																				
Method of Briefing:																																																																																				


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		Occurrence Type: Accident			

Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
PAB	0953	AST	123 Ft. MSL	0 NM	0 Deg. Mag.
Sky/Lowest Cloud Condition: Scattered			6500 Ft. AGL	Condition of Light: Dawn	
Lowest Ceiling: Unknown			0 Ft. AGL	Visibility: 10 SM	Altimeter: 29.00 "Hg
Temperature: -24 °C		Dew Point: -18 °C	Wind Direction: 280		Density Altitude: Ft.
Wind Speed: 10		Gusts:	Weather Conditions at Accident Site: Visual Conditions		
Visibility (RVR): 0 Ft.		Visibility (RVV) 0 SM	Intensity of Precipitation: Unknown		
Restrictions to Visibility: None					
Type of Precipitation: None					

Accident Information					
Aircraft Damage:		Aircraft Fire:		Aircraft Explosion	
Classification:					

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot				1	1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers				1	1
- TOTAL ABOARD -				2	2
Other Ground	0	0	0		0
- GRAND TOTAL -	0	0	0	2	2

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	Occurrence Date: 12/06/1999	
	Occurrence Type: Accident	
Administrative Information		
Investigator-In-Charge (IIC) CLINTON O. JOHNSON		
Additional Persons Participating in This Accident/Incident Investigation: GLENN R SMITH (FAA) 4510 WEST INT'L AIRPORT ROAD ANCHORAGE, AK 99502		
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